

IN THE CLAIMS:

1. (Currently Amended) A method of providing context sensitive code ahead input to a user of a software development application running on a computer system, the method comprising:
 - receiving an entry for a programming construct in a source code document;
 - identifying a context in the document source code based on a predefined definition of the received entry programming construct contained in the source code, wherein the predefined definition associates the entry with a code ahead input; and
 - displaying, on a display device of the computer system, the code ahead input based upon the identified context.
2. (Original) The method of claim 1 wherein a combination of the entry and the code ahead input is not a previously entered entry retrieved from memory.
3. (Original) The method of claim 1 wherein identifying the context comprises identifying that the entry has been previously entered and then identifying the code ahead input based on the predefined definition of the entry.
4. (Currently Amended) The method of claim 1 wherein the context programming construct is a procedure call and the code ahead input is a parameter passed to the procedure call defined in the source code.
5. (Original) The method of claim 4 wherein the identifying comprises:
 - determining whether a procedure definition exists for the procedure call; and
 - identifying a type of the parameter in the procedure definition if the procedure definition exists for the procedure call, where type of code ahead input provided is the same as the type of parameter identified.
6. (Original) The method of claim 1 wherein the context is an initialization of a variable.
7. (Original) The method of claim 6 wherein the identifying comprises:
 - determining whether a variable definition exists for the variable; and

identifying a type of the variable in the variable definition if the variable definition exists for the variable, where the type of code input provided is the same as the type of variable identified.

8. (Currently Amended) The method of claim 1 wherein the source code document comprises source code for a web page, and wherein the entry is an a partially entered end tag of a hyper text mark-up language (HTML) text entry and wherein identifying the context comprises identifying an associated start tag preceding the text entry, and wherein suggesting a code ahead input comprises suggesting a completed end tag for the partially entered end tag.

9. (Cancel)

10. (Original) The method of claim 1 wherein the identifying is performed iteratively for each character input at least until the code ahead input.

11. (Original) The method of claim 1 wherein the provided code ahead input is in a list of possible inputs based on the identified context.

12. (Original) The method of claim 1 further comprising:
providing, if the received entry is a request for help, a list of relevant terms to the user.

13. (Currently Amended) The method of claim 12 wherein the list of relevant terms comprises variables and procedures in the source code document.

14. (Cancel)

15. (Currently Amended) An apparatus for providing context sensitive code ahead input to a user, the apparatus comprising:
a memory for storing a code ahead program and a programming construct in a source code document;

a display device for displaying a code ahead input to the user; and

a processor, for executing the code ahead program, the processor being configured to:

receive an entry for the programming construct document,

identify a context in the document source code on a predefined definition of the received entry programming construct contained in the source code, wherein the predefined definition associates the entry with a code ahead input, and

provide, to the display device, the code ahead input based upon the identified context.

16. (Original) The apparatus of claim 15 wherein a combination of the entry and the code ahead input is not a previously entered entry retrieved from the memory.

17. (Currently Amended) The apparatus of claim 15 wherein the context programming construct is a procedure call and the code ahead input is a parameter passed to the procedure call defined in the source code.

18. (Original) The apparatus of claim 15 wherein the context is an initialization of a variable.

19. (Currently Amended) The apparatus of claim 15 wherein the source code document comprises source code for a web page, and wherein the entry is an a partially entered end tag of a hyper text mark-up language (HTML) text entry and wherein identifying the context comprises identifying an associated start tag preceding the text entry, and wherein suggesting a code ahead input comprises suggesting a completed end tag for the partially entered end tag.

20. (Cancel)

21. (Currently Amended) A computer readable medium storing a software program that, when executed by a processor of a computer, causes the computer to perform operations comprising:

parsing an entry for a document programming construct in a source code document;

identifying a context in the document source code based on a predefined definition of the received entry programming construct contained in the source code, wherein the predefined definition associates the entry with a code ahead input; and

outputting, to a display device, the code ahead input based upon the identified context.

22. (Original) The computer readable medium of claim 21 wherein a combination of the entry and the provided code ahead input not a previously entered entry retrieved from memory.

23. (Original) The computer readable medium of claim 21 wherein identifying the context comprises identifying that the entry has been previously entered and then identifying the code ahead input based on the predefined definition of the entry.

24. (Currently Amended) The computer readable medium of claim 21 wherein the context programming construct is a procedure call and the code ahead input is a parameter passed to the procedure call defined in the source code.

25. (Original) The computer readable medium of claim 24 wherein the identifying comprises:

determining whether a procedure definition exists for the procedure call; and

identifying a type of the parameter in the procedure definition if the procedure definition exists for the procedure call, where type of code ahead input provided is the same as the type of parameter identified.

26. (Original) The computer readable medium of claim 21 wherein the context is an initialization of a variable.

27. (Original) The computer readable medium of claim 26 wherein the identifying comprises:

determining whether a variable definition exists for the variable; and

identifying a type of the variable in the variable definition if the variable definition exists for the variable, where the type of code input provided is the same as the type of variable identified.

28. (Currently Amended) The computer readable medium of claim 21 wherein the source code document comprises a source code for a web page, and wherein the entry is an a partially entered end tag of a hyper text mark-up language (HTML) text entry and wherein identifying the context comprises identifying an associated start tag preceding the text entry, and wherein suggesting a code ahead input comprises suggesting a completed end tag for the partially entered end tag.

29. (Cancel)

30. (Original) The computer readable medium of claim 21 wherein the identifying is performed iteratively for each character input at least until the code ahead input.

31. (Original) The computer readable medium of claim 21 wherein the provided code ahead input is in a list of possible inputs based on the identified context.